



# IOANNIS KALFAS

DEEP LEARNING | DATA SCIENCE

## CONTACT



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3001, Leuven  
Belgium



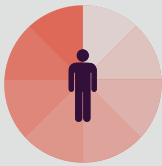
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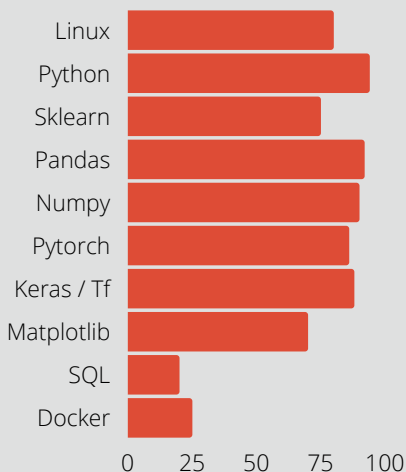
kalfasyan@gmail.com

## PERSONAL SKILLS

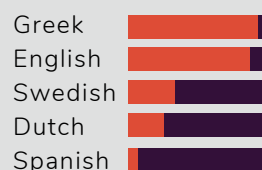
Reliable and professional  
Organized  
Team player  
Fast learner  
Motivated  
Resilient  
Problem solver



## TECHNICAL SKILLS



## LANGUAGES



## ABOUT

I am a Data Scientist that specializes in using scientific libraries, artificial intelligence frameworks and the UNIX shell for data analysis and modelling tasks. Experienced in both Academia and Industry.

## WORK EXPERIENCE

### PHD RESEARCHER

MeBioS, KU Leuven, Leuven | Dec 2018 - (expected graduation: Oct 2022)

- Built "strictly-validated" deep learning algorithms to classify insect species using either wingbeat time-series or image data; embedded them in IoT devices (Raspberry Pi); performed insect detection & classification in-field.
- Programmed Graphical User Interface (GUI) software for an imaging box and an insect trap (possible patent) using Python on Linux.
- Supervised 3 Master Thesis students & several Bachelor students.
- Presented my research at an international conference (ENBIS-2019).

### DATA SCIENTIST

Faktion, Antwerp | Dec 2017 - Dec 2018

- Designed and implemented machine learning and deep learning algorithms for predictive analytics; Set up Deep Learning end-to-end pipelines.
- Led or co-led projects on Signal processing, Speech-to-Text and Computer Vision.

### PHD RESEARCHER

Lab of Neurophysiology, KU Leuven, Leuven | Nov 2015 - Nov 2017

- Evaluated deep convolutional neural networks (CNNs) as models of biological neurons in visual areas of the brain.
- Performed Representational Similarity Analysis between artificial and biological neurons.

## EDUCATION

### MSC, MACHINE LEARNING

KTH Royal Institute of Technology | 2015

### BSC, COMPUTER SCIENCE

Aristotle University of Thessaloniki | 2013

## ACCOMPLISHMENTS

17 online courses in Machine Learning, Python, Linux  
1 hackathon win (Human Beyond Digital Hackathon)  
5 scientific publications (3 as first author & 1 pending)



[Ioannis Kalfas - Google Scholar](#)



[www.linkedin.com/in/kalfasyan](https://www.linkedin.com/in/kalfasyan)



[www.github.com/kalfasyan](https://www.github.com/kalfasyan)

## HOBBIES

